


**Polarization color splitting and mixing system of liquid crystal projector using reflection liquid crystal board as picture source**

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 CN1187636C (C)[Report a data error here](#)**Abstract of CN1402043**

A colour splitting-mixing polarizing system for liquid crystal projector using reflection-type liquid crystal panel as image source is composed of the polarizing mixing system for converting the natural light from light source to a single polarized light, the polarizing thin-film reflector for turning the polarizing direction of blue light by 90 deg, and the polarizing colour splitting mixing prism for splitting the red, green and blue lights to relative liquid crystal panels, and then mixing them to become a colour image for projecting it onto screen. Its advantages are high brightness and high contrast.

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